~~BCM Search Launcher: hgsc.bcm.tmc.edu/SearchLauncher;~~

COILS (35) web server: ch.embnet.org/software/COILS_form.html;

~~and the following ftp site:~~

~~mac-searchlauncher.dot.bcm.tmc.edu/pub/software/searchlauncher/;~~

Amendments to the specification are indicated in the attached "Marked Up Version of Amendments" (page i-iii).

<u>In the Claims</u>

Please cancel Claims 5, 13-22 and 24-39.

Please amend Claims 1, 2, 6, 7, 8 and 23. Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (pages iii-iv).

1.   (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence of SEQ ID NO: 7 or the complement of SEQ ID NO: 7.

2.   (Amended) An isolated nucleic acid molecule comprising an exon from a vertebrate gene wherein said exon is at least 12,793 base pairs in length.

6.   (Amended) An isolated polynucleotide fragment of SEQ ID NO: 7 comprising nucleotide positions 6593 and 6594 of SEQ ID NO: 7, wherein the fragment is at least 15 nucleotides in length.

7.   (Amended) A nucleic acid molecule comprising a nucleotide sequence comprising at least 60% sequence identity to SEQ ID NO: 7 or the complement of SEQ ID NO: 7.

8.   (Amended) A nucleic acid molecule that hybridizes under high stringency conditions to a nucleotide sequence comprising nucleotide positions 6593 and 6594 of SEQ ID NO: 7 and at least ten flanking nucleotides of SEQ ID NO: 7.